

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Claims 1-15, 29, 30, 33, and 34 are pending in this application. Claims 1 and 14 were objected to for informalities. Claims 1-4, 6, 9, 11-12, 14-15, 29-30, and 33-34 were rejected under 35 U.S.C. §102(b) as anticipated by JP 2000-285052 to Adachi. Claims 5 and 10 were rejected under 35 U.S.C. §103 as unpatentable over Adachi as applied to claim 4, further in view of U.S. Patent Application Publication 2003/0020476 to Chen et al. (herein "Chen"). Claims 7, 8, and 13 were rejected under 35 U.S.C. §103(a) as unpatentable over Adachi as applied to claim 6, and further in view of U.S. Patent Application Publication 2004/0049574 to Watson et al. (herein "Watson").

Addressing first the objection to claims 1 and 14, that objection is traversed by the present response. Specifically, each of claims 1 and 14 is amended by the present response to address the objections thereto as suggested in the Office Action.

Addressing now the above-noted prior art rejections, those rejections are traversed by the present response.

Each of the above-noted rejections relies on Adachi as a primary reference. Applicants respectfully submit the claims as written distinguish over Adachi.

The claims are amended by the present response to clarify features recited therein. Specifically, independent claim 1 clarifies that the path indicated in the first request for accessing the web information "add[s] relative path information for executing a function as a process being independent of the common path information". Independent claim 1 also clarifies that the communicating part receives the second request for requesting the Web information specified by the reference path "and includes the common path information to connection information which is passed through the function". The other claims are amended to recite similar features.

Such features in the claimed invention are shown, as a non-limiting example, in Figure 3 in the present specification showing the relative path information 60b. Such features are believed to clearly distinguish over the applied art. More specifically, the primary reference to Adachi cited in the Office Action as including a reference path is not believed to disclose the above-noted features of a “relative path information”.

In the present invention, and with reference to Figures 2 and 3 in the present specification as a non-limiting example, the information processing apparatus 100 creates a reference URL in accordance with a special URL structure other than the directory structure, and reads a URL automatically returned from a terminal 40 in accordance with the special URL structure. In the special URL structure, the relative path information 60b including the Web information identification such as “webDefaultApl/default.cgi” or “webNetsettingApl/netsetting.cgi” is formed in the URL. The information apparatus 100 recognizes the Web information identification as a command to conduct a certain process. For all of the terminal types, profiles, and languages, the same function specified by the Web information identification is called based on tables 50a and 50b, see for example Figures 5A and 5B. The terminal type information, the profile information, and the language information are included in the connection information 340 (see Figure 9). The connection information 340 is passed through the function and passed to the XSLT processor 205 with a result of the function. The result of the function is converted into HTML data in accordance with the terminal type information, the profile information, and the language information.

With the above-noted configuration of the information processing apparatus 100 and the special URL structure other than directory structure, it is not required to maintain several HTML files for all of the terminal types, profiles, and languages and to implement the inter-process communication technology to each function. Instead, in the present invention, it

becomes possible to succeed any of the terminal type information, the profile information, and the language information among functions in a page transition.

The claimed features are believed to clearly distinguish over the applied art to Adachi.

Adachi discloses a table for URL conversion in Figure 5. Referring to Figure 5 of Adachi, for example, a URL “http://aaa.com/English/Index.html” is converted into another URL “http://aaa.com/Japanese/Index.html”. In this case, the URL “http://aaa.com/English/Index.html” requests an HTML file of English Index.html that is stored under an “English” directory in a server identified by “aaa.com” and the HTML file itself is described in English. Also, the URL “http://aaa.com/Japanese/Index.html” means an HTML file of Japanese Index.html that is stored under a “Japanese” directory in the server identified by “aaa.com” and the HTML file itself is described in Japanese. The HTML file is a data file but is not a program file. Thus, the HTML file cannot analyze “English” in the URL as a parameter. Accordingly, the server “aaa.com” stores both files of English and Japanese, and each of files is selectively indicated by a URL formed in a directory structure. The file requested by the URL “http://aaa.com/English/Index.html” is substantially different from the file requested by the URL “http://aaa.com/Japanese/Index.html”.

As another example, consider the URL “http://OldTypeSystem.aaa.com.bbb.cp.jp”. In this case, a server to be accessed by the URL “http://NewSystem.aaa.com.bbb.cp.jp” is different from a server specified by the URL “http://OldTypeSystem.aaa.com.bbb.cp.jp”. A case of converting a URL “http://Server1.com” into a URL “http://Server2.com” is similarly discussed.

As a further example, in Adachi a URL “http://Search.aaa.bbb.cp.jp/Search?Level=Normal” is converted into another URL “http://Search.aaa.bbb.cp.jp/Search?Level=Property”. In this case, a search process

conducted by the URL “http://Search.aaa.bbb.cp.jp/Search?Level=Property” is different from a search process specified by URL “http://Search.aaa.bbb.cp.jp/Search?Level=Normal”.

Accordingly, in the operations disclosed in Adachi, after the URL is converted, the file, server, and process to be targeted will not be the same as before the conversion, since the URL is formed in the directory structure.

In contrast to Adachi, in the present invention, in the URL structure referring to Figure 3 “webDefaultApl/default.cgi” is indicated as an example. Referring to Figures 2 and 4 also, only one “webDefaultApl/default.cgi” is implemented as a Web service function, which is activated as a process in the information processing apparatus 100. That is, “webDefaultApl/default.cgi” is not implemented under each directory of the terminal type, profile, and language, and each combination thereof. In other words, if the information processing apparatus 100 reads a URL “http://AAA/TERMINAL/PROFILE/LANG/webDefaultApl/default.cgi” as the directory structure, it is required to implement several “webDefaultApl/default.cgi” to satisfy all of the terminal types, profiles, and languages.

By indicating “webDefaultApl/default.cgi”, a specific function “default()” corresponding to “webDefaultApl/default.cgi” is called and conducted as a process. Similarly, by indicating “webNetsettingApl/netsetting.cgi”, a specific function “netsetting()” corresponding to “webNetsettingApl/netsetting.cgi” is called and conducted as a process (see Figures 5A and 5B). Conventionally, to share common parameters such as the terminal type information, the profile information, and the language information between processes, an inter-process communication technology is required for each process.

However, the present invention does not require such a high technology related to the inter-process communication. As shown in Figure 4 in the present specification, there are no

inter-process communications among applications and functions (that is, there is no inter-process communication among processes).

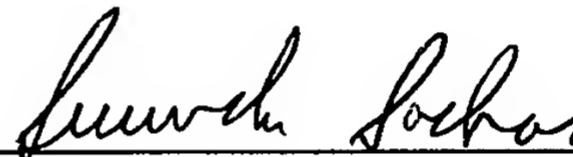
In view of these foregoing comments, applicants respectfully submit the claims as written clearly distinguish over Adachi.

Moreover, no teachings in the further cited references to Chen or Watson are believed to cure the above-noted deficiencies in Adachi.

As no other issues are pending in this application, it is respectfully submitted that the present application is now in condition for allowance, and it is hereby respectfully requested that this case be passed to issue.

Respectfully submitted,

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